Pavol Kovac

List of Publications by Year in Descending Order

239 papers	2,937 citations	26 h-index	36 g-index
242 ext. papers	3,067 ext. citations	2.5 avg, IF	4.85 L-index

#	Paper	IF	Citations
239	Effect of grain size selection in ex-situ made MgB2 wires. *Physica C: Superconductivity and Its Applications*, **2021**, 583, 1353826	1.3	
238	Low-purity Cu and Al sheathed multi-core MgB2 wires made by IMD process. *Superconductor Science and Technology*, **2021**, 34, 075010	3.1	2
237	Longitudinal uniformity of MgB2 wires made by an internal magnesium diffusion process. *Superconductor Science and Technology*, **2021**, 34, 095007	3.1	0
236	I-V characteristics of MgB2 conductors with different metallic sheaths. *Cryogenics*, **2021**, 103370	1.8	0
235	MgB2 cables made of thin wires manufactured by IMD process. *Superconductor Science and Technology*, **2020**, 33, 085004	3.1	5
234	Structure and properties of barrier-free MgB2 composite wires made by internal magnesium diffusion process. *Journal of Alloys and Compounds*, **2020**, 829, 154543	5.7	10
233	Thermal conductivities and thermal runaways of superconducting MgB2 wires stabilized by an Al + Al2O3 sheath. *Superconductor Science and Technology*, **2019**, 32, 115007	3.1	1
232	Current densities and strain tolerances of filamentary MgB2 wires made by an internal Mg diffusion process. *Superconductor Science and Technology*, **2019**, 32, 095006	3.1	1
231	Synthesis of glycocluster-containing conjugates for a vaccine against cholera. *Organic and Biomolecular Chemistry*, **2019**, 17, 4049-4060	3.9	7
230	Small diameter wind and react coil made of anodised Al-sheathed MgB2 wire. *Superconductor Science and Technology*, **2019**, 32, 105003	3.1	3
229	Comparison of interfacial and critical current behaviour of Al+Al2O3 sheathed MgB2 wires with Ta and Ti diffusion barriers. *Journal of Alloys and Compounds*, **2019**, 807, 151665	5.7	0
228	Strong no-barrier SS sheathed MgB2 composite wire. *Physica C: Superconductivity and Its Applications*, **2019**, 560, 40-44	1.3	3
227	Quench dynamics in MgB2Rutherford cables. *Superconductor Science and Technology*, **2018**, 31, 045009	3.1	5
226	HITEMAL-an outer sheath material for MgB2 superconductor wires: The effect of annealing at 595–655 °C on the microstructure and properties. *Materials and Design*, **2018**, 157, 12-23	8.1	10
225	Rutherford cable made of internal magnesium diffusion MgB2wires sheathed with Al-Al2O3particulate metal matrix composite. *Superconductor Science and Technology*, **2018**, 31, 015015	3.1	2
224	Ultra-lightweight superconducting wire based on Mg, B, Ti and Al. *Scientific Reports*, **2018**, 8, 11229	4.9	16
223	Multi-core MgB2 wire with a Ti barrier and a reinforced Al+Al2O3 sheath. *Superconductor Science and Technology*, **2018**, 31, 095006	3.1	3

222	Microstructure of undoped and C-doped MgB2 wires prepared by an internal magnesium diffusion technique using different B powders. *Journal of Alloys and Compounds*, **2018**, 764, 437-445	5.7	6
221	AC losses of Rutherford MgB2 cables made by powder-in-tube and internal magnesium diffusion processes. *Superconductor Science and Technology*, **2018**, 31, 125014	3.1	4
220	Lightweight MgB2 wires with a high temperature aluminum sheath made of variable purity Al powder and Al2O3 content. *Superconductor Science and Technology*, **2018**, 31, 085003	3.1	3
219	Carbohydrates as potentially versatile core subcarriers for multivalent immunogens. *RSC Advances*, **2017**, 7, 7591-7603	3.7	3
218	The effect of boron powder on the microstructure of MgB2filaments prepared by the modified internal magnesium diffusion technique. *Superconductor Science and Technology*, **2017**, 30, 055001	3.1	10
217	Filamentary MgB2wires manufactured by different processes subjected to tensile loading and unloading. *Superconductor Science and Technology*, **2017**, 30, 065006	3.1	3
216	MgB2 Multicore Wire Prepared by IMD TechnologyInvestigation of the MgB2 Layer Formation During Annealing. *IEEE Transactions on Applied Superconductivity*, **2017**, 27, 1-4	1.8	4
215	Critical currents of Rutherford MgB2cables compacted by two-axial rolling. *Superconductor Science and Technology*, **2017**, 30, 015002	3.1	14
214	Effect of Dy2O3doping on phase formation and properties of MgB2wires made by the modified internal magnesium diffusion process. *Superconductor Science and Technology*, **2017**, 30, 025004	3.1	1
213	Properties of MgB2wires doped with BaZrO3nanopowder made by a modified internal magnesium diffusion process. *Superconductor Science and Technology*, **2017**, 30, 115003	3.1	2
212	Lightweight Al-stabilized MgB2conductor made by the IMD process. *Superconductor Science and Technology*, **2017**, 30, 115001	3.1	5
211	Properties of near- and sub-micrometre Al matrix composites strengthened with nano-scale in-situ Al2O3 aimed for low temperature applications. *Cryogenics*, **2017**, 87, 58-65	1.8	15
210	Superconducting MgB2wires with vanadium diffusion barrier. *Superconductor Science and Technology*, **2017**, 30, 105008	3.1	2
209	Effect of cold isostatic pressing on the transport current of filamentary MgB2wire made by the IMD process. *Superconductor Science and Technology*, **2016**, 29, 075004	3.1	4
208	High density and connectivity of a MgB2filament made using the internal magnesium diffusion technique. *Superconductor Science and Technology*, **2016**, 29, 035004	3.1	14
207	Magnetic Studies of MgB2 Prepared by Internal Magnesium Diffusion With Various Doping. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	3
206	Bending strain tolerance of MgB2superconducting wires. *Superconductor Science and Technology*, **2016**, 29, 045002	3.1	4
205	Effect of Mechanical Load on Jc of MgB2 Wires. *Asian Journal of Social Science Studies*, **2016**, 439-454	1.3	1

204	Fast creation of dense MgB2phase in wires made by IMD process. *Superconductor Science and Technology*, **2016**, 29, 10LT01	3.1	7
203	. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	4
202	MgB2 wires with Ti and NbTi barrier made by IMD process. *Cryogenics*, **2016**, 79, 74-78	1.8	5
201	Microstructure of MgB 2 superconducting wire prepared by internal magnesium diffusion and in-situ powder-in-tube processes Secondary phase intergrain nanolayers as an oxygen content indicator. *Physica C: Superconductivity and Its Applications*, **2015**, 516, 1-9	1.3	8
200	Study of the potential of three different MgB2tapes for application in cylindrical coils operating at 20 K. *Superconductor Science and Technology*, **2015**, 28, 055012	3.1	10
199	. *IEEE Transactions on Applied Superconductivity*, **2015**, 25, 1-7	1.8	17
198	Properties of MgB2wires made by internal magnesium diffusion into different boron powders. *Superconductor Science and Technology*, **2015**, 28, 095014	3.1	4
197	AC losses of single-core MgB2 wires with different metallic sheaths. *Physica C: Superconductivity and Its Applications*, **2015**, 519, 95-99	1.3	6
196	Comparison of Critical Current Density and Pinning Behaviour of Mono-core MgB2 Wires Prepared by Different Methods. *Journal of Superconductivity and Novel Magnetism*, **2015**, 28, 443-446	1.5	3
195	Microstructure of MgB2 superconducting wire prepared by internal magnesium diffusion process. *Journal of Alloys and Compounds*, **2015**, 619, 726-732	5.7	11
194	Magnetic investigation of silver sheathed Sr0.6K0.4Fe2As2 superconductor. *Physics Procedia*, **2015**, 75, 34-40		
193	Electromechanical properties of iron and silver sheathed Sr0.6K0.4Fe2As2tapes. *Superconductor Science and Technology*, **2015**, 28, 035007	3.1	9
192	Magnetization AC losses in MgB2wires made by IMD process. *Superconductor Science and Technology*, **2015**, 28, 015013	3.1	7
191	Advanced MgB2 wire made by internal magnesium diffusion process. *Journal of Alloys and Compounds*, **2014**, 588, 366-369	5.7	15
190	The roles of CHPD: superior critical current density andn-value obtained in binaryin situMgB2cables. *Superconductor Science and Technology*, **2014**, 27, 095016	3.1	12
189	Critical current density and pinning behaviour of mono-core MgB2 wires prepared by internal magnesium diffusion and in-situ powder-in-tube method. *Physica C: Superconductivity and Its Applications*, **2014**, 505, 39-43	1.3	15
188	Electro-mechanical behaviour of in situ W added MgB2 wire. *Cryogenics*, **2014**, 60, 5-8	1.8	4
187	Superconducting light generator for large offshore wind turbines. *Journal of Physics: Conference Series*, **2014**, 507, 032040	0.3	25

186	Critical currents,Ic-anisotropy and stress tolerance of MgB2wires made by internal magnesium diffusion. *Superconductor Science and Technology*, **2014**, 27, 065003	3.1	25
185	Filamentary MgB2 Superconductors with Titanium Barriers. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 2109-2114	1.5	7
184	Influence of filament diameter on superconducting properties of MgB2 multi-core wires. *Journal of the Korean Physical Society*, **2013**, 62, 2139-2142	0.6	
183	Properties ofin situmade MgB2in Nb or Ti sheath. *Superconductor Science and Technology*, **2013**, 26, 025007	3.1	6
182	Experimental study of magnetization AC loss in MgB2 wires and cables with non-magnetic sheath. *Physica C: Superconductivity and Its Applications*, **2013**, 495, 182-186	1.3	17
181	Rutherford cable made of single-core MgB2wires. *Superconductor Science and Technology*, **2013**, 26, 125007	3.1	18
180	Composition changes in thin-filament MgB2/Ti/GlidCop wires heat treated at variable periods. *Journal of Alloys and Compounds*, **2013**, 572, 25-30	5.7	2
179	Magnetic Characterization of Stainless Steel Reinforced Multi-core MgB2 Wires. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 1543-1546	1.5	0
178	Experimentally Determined Magnetization ac Losses of Mono and Multifilamentary MgB2 Wires. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 1557-1561	1.5	6
177	AC Losses of Copper Stabilized Multifilament YBCO Coated Conductors. *IEEE Transactions on Applied Superconductivity*, **2013**, 23, 6600604-6600604	1.8	13
176	Behaviour of filamentary MgB2wires subjected to tensile stress at 4.2 K. *Superconductor Science and Technology*, **2013**, 26, 105028	3.1	9
175	Effect of heat treatment temperature on superconducting performance of B4C added MgB2/Nb conductors. *Physica C: Superconductivity and Its Applications*, **2012**, 473, 34-40	1.3	5
174	Experimental study of the AC magnetization loss in MgB2 superconducting wires at different temperatures. *Physica C: Superconductivity and Its Applications*, **2012**, 475, 1-4	1.3	12
173	Improved current density of filamentary MgB2 wire by two-stage formation. *Physica C: Superconductivity and Its Applications*, **2012**, 475, 43-45	1.3	3
172	Properties of MgB2 wires made of oxidized powders. *Physica C: Superconductivity and Its Applications*, **2012**, 477, 20-23	1.3	13
171	High Energy Milled Ex Situ MgB2 as Precursor for Superconducting Tapes Without Critical Current Anisotropy. *Journal of Superconductivity and Novel Magnetism*, **2012**, 25, 2337-2341	1.5	8
170	. *IEEE Transactions on Applied Superconductivity*, **2012**, 22, 8400106-8400106	1.8	19
169	Activation Energy Distribution of MgB2 Wires. *Physics Procedia*, **2012**, 36, 1582-1587		

168	Examination of an influence of winding geometry and operating temperature on basic parameters of superconducting coils made of MgB2 wire Theoretical analysis. *Physica C: Superconductivity and Its Applications*, **2012**, 483, 101-108	1.3	3
167	Isotropic behavior of critical current for MgB2 ex situ tapes with 5 wt.% carbon addition. *Physica C: Superconductivity and Its Applications*, **2012**, 483, 222-224	1.3	3
166	Calculated and measured normal state resistivity of 19-filament MgB2/Ti/Cu/stainless steel wire. *Superconductor Science and Technology*, **2012**, 25, 025021	3.1	5
165	Selected properties of GlidCop sheathed MgB2wires. *Superconductor Science and Technology*, **2012**, 25, 095008	3.1	6
164	Magnesium Diboride Wires With Nonmagnetic MatricesAC Loss Measurements and Numerical Calculations. *IEEE Transactions on Applied Superconductivity*, **2011**, 21, 3338-3341	1.8	16
163	Simple, direct conjugation of bacterial O-SP-core antigens to proteins: development of cholera conjugate vaccines. *Bioconjugate Chemistry*, **2011**, 22, 2179-85	6.3	47
162	Filamentary MgB2wires twisted before and after heat treatment. *Superconductor Science and Technology*, **2011**, 24, 115006	3.1	7
161	Current densities of thin filament MgB2/Ti/GlidCop wire. *Superconductor Science and Technology*, **2011**, 24, 105006	3.1	2
160	EDX and ion beam treatment studies of filamentary in situ MgB2 wires with Ti barrier. *Journal of Alloys and Compounds*, **2011**, 509, 7961-7967	5.7	9
159	As-deformed filament density and transport currents of MgB2/Ti/Glidcop wire. *Journal of Alloys and Compounds*, **2011**, 509, 8783-8787	5.7	15
158	On some consequences of an external magnetic field applied to HTS coils. *Physica C: Superconductivity and Its Applications*, **2011**, 471, 1680-1688	1.3	5
157	Thermally stabilized MgB2 composite wires with different barriers. *Cryogenics*, **2011**, 51, 550-554	1.8	15
156	Comparison of Different Critical Current Density Models for Undoped Monofilamentary Ti-Sheathed MgB2 Tapes. *Journal of Superconductivity and Novel Magnetism*, **2011**, 24, 287-297	1.5	4
155	AC losses and transverse resistivity in filamentary MgB2 tape with Ti barriers. *Physica C: Superconductivity and Its Applications*, **2011**, 471, 389-394	1.3	13
154	Comparison on Effects of ${rm B}_{4}{rm C}$, ${rm Al}_{2}{rm O}_{3}$, and SiC Doping on Performance of ${rm MgB}_{2}$ Conductors. *IEEE Transactions on Applied Superconductivity*, **2011**, 21, 2659-2663	1.8	3
153	Stability of multi-core MgB2/Ti/Cu/SS wires. *Cryogenics*, **2011**, 51, 16-20	1.8	11
152	SiC doped MgB2wires in a Ti sheath prepared by stage formation. *Superconductor Science and Technology*, **2011**, 24, 065025	3.1	4
151	Fine-filamentaryin situMgB2wires. *Superconductor Science and Technology*, **2010**, 23, 105006	3.1	10

150	Anisotropy of the critical current in MgB2tapes made of high energy milled precursor powder. *Superconductor Science and Technology*, **2010**, 23, 065011	3.1	15
149	Cu stabilized MgB2composite wire with an NbTi barrier. *Superconductor Science and Technology*, **2010**, 23, 025014	3.1	16
148	Stainless steel reinforced multi-core MgB2wire subjected to variable deformations, heat treatments and mechanical stressing. *Superconductor Science and Technology*, **2010**, 23, 065010	3.1	26
147	Mechanical properties, interface reactions and transport current densities of multi-core MgB2/Ti/Cu/SS wire. *Superconductor Science and Technology*, **2010**, 23, 075012	3.1	19
146	Effect of fabrication route on density and connectivity of MgB2filaments. *Journal of Physics: Conference Series*, **2010**, 234, 022041	0.3	4
145	Low field critical current density of titanium sheathed magnesium diboride wires. *Journal of Physics: Conference Series*, **2010**, 234, 022029	0.3	7
144	Effects influencing the grain connectivity in ex-situ MgB2 wires. *Physica C: Superconductivity and Its Applications*, **2010**, 470, 340-344	1.3	9
143	Properties of MgB2 superconductor chemically treated by acetic acid. *Physica C: Superconductivity and Its Applications*, **2010**, 470, 331-335	1.3	13
142	Comparison of 1D, 2D and 3D quench onset simulations. *Physica C: Superconductivity and Its Applications*, **2010**, 470, 2047-2050	1.3	8
141	Relation Between Transverse and Longitudinal Normal Zone Propagation Velocities in Impregnated ${rm MgB}_{2}$ Windings. *IEEE Transactions on Applied Superconductivity*, **2009**, 19, 2403-2406	1.8	10
140	Critical currents in weakly textured MgB2: Nonlinear transport in anisotropic heterogeneous media. *Physical Review B*, **2009**, 80,	3.3	14
139	Current densities of MgB2 wires by combined ex situ/in situ process. *Journal of Applied Physics*, **2009**, 106, 013910	2.5	19
138	Progress in electrical and mechanical properties of rectangular MgB2wires. *Superconductor Science and Technology*, **2009**, 22, 075026	3.1	16
137	Investigation of magnetic relaxation in MgB2wires. *Journal of Physics: Conference Series*, **2009**, 150, 052019	0.3	1
136	Properties of hot pressed MgB2/Ti tapes. *Physica C: Superconductivity and Its Applications*, **2009**, 469, 713-716	1.3	23
135	Effect of C and SiC additions into in situ or mechanically alloyed MgB2 deformed in Ti sheath. *Physica C: Superconductivity and Its Applications*, **2009**, 469, 827-831	1.3	15
134	Transport current densities of MgB2 wire, cable and continually transposed conductor. *Cryogenics*, **2009**, 49, 366-370	1.8	28
133	Transport and magnetic critical currents of Cu-stabilized monofilamentary MgB2conductors. *Superconductor Science and Technology*, **2009**, 22, 015014	3.1	11

132	Effects of impurities addition in MgB2/Nb tapes on flux jumps instability and critical current density. *Journal of Physics: Conference Series*, **2009**, 150, 052212	0.3	
131	Critical current anisotropy of MgB2tapes. *Journal of Physics: Conference Series*, **2009**, 153, 012019	0.3	3
130	Electromechanical characterization of selected superconductors. *Superconductor Science and Technology*, **2008**, 21, 115001	3.1	22
129	MgB2cable made from two-axially rolled wires. *Superconductor Science and Technology*, **2008**, 21, 125003	3.1	12
128	Current sharing and the stability of composite MgB2superconductors. *Superconductor Science and Technology*, **2008**, 21, 065013	3.1	12
127	MgB2tapes made of mechanically alloyed precursor powder in different metallic sheaths. *Superconductor Science and Technology*, **2008**, 21, 015004	3.1	19
126	Stabilizedin siturectangular MgB2wires: the effect of B purity and sheath materials. *Superconductor Science and Technology*, **2008**, 21, 045011	3.1	8
125	Filament and interface structure ofin-situMgB2wires. *Journal of Physics: Conference Series*, **2008**, 97, 012106	0.3	
124	Thermomagnetic instability and critical current density in MgB2 monofilamentary tapes. *Physica C: Superconductivity and Its Applications*, **2008**, 468, 761-764	1.3	3
123	Multicore MgB2 wires made by hydrostatic extrusion. *Physica C: Superconductivity and Its Applications*, **2008**, 468, 2356-2360	1.3	13
122	Preparation of glycoconjugates by dialkyl squarate chemistry revisited. *Carbohydrate Research*, **2008**, 343, 196-210	2.9	74
121	Properties of seven-filamentin situMgB2/Fe composite deformed by hydrostatic extrusion, drawing and rolling. *Superconductor Science and Technology*, **2007**, 20, 607-610	3.1	8
120	Transport current improvements ofin situMgB2tapes by the addition of carbon nanotubes, silicon carbide or graphite. *Superconductor Science and Technology*, **2007**, 20, 105-111	3.1	28
119	Current transfer in MgB2wires with different sheath materials. *Superconductor Science and Technology*, **2007**, 20, 123-128	3.1	33
118	Discrepancies in Modeling Magnets Utilizing ${rm MgB}_{2}$ Conductor With Ferro- and Non-Magnetic Matrix Configurations. *IEEE Transactions on Applied Superconductivity*, **2007**, 17, 2369-2372	1.8	3
117	Properties of stabilized MgB2composite wire with Ti barrier. *Superconductor Science and Technology*, **2007**, 20, 771-776	3.1	32
116	Improvement of current density by texture andIcanisotropy in thin filament MgB2/Fe tapes. *Superconductor Science and Technology*, **2006**, 19, 998-1002	3.1	16
115	MgB2composite wires with Fe, Nb and Ta sheaths. *Superconductor Science and Technology*, **2006**, 19, 600-605	3.1	40

114	Critical current of an MgB2coil with a ferromagnetic matrix. *Superconductor Science and Technology*, **2006**, 19, 32-38	3.1	7
113	Properties of dopedexandin situMgB2multi-filament superconductors. *Superconductor Science and Technology*, **2006**, 19, 1076-1082	3.1	18
112	In situinvestigations of phase transformations in Fe-sheathed MgB2wires. *Superconductor Science and Technology*, **2006**, 19, 96-101	3.1	40
111	Aspect ratio and temperature effect on theIcanisotropyin situMgB2tapes. *Superconductor Science and Technology*, **2006**, 19, 470-472	3.1	13
110	Quench development and propagation in metal/MgB2conductors. *Superconductor Science and Technology*, **2006**, 19, 143-150	3.1	41
109	MgB2 Composite Superconductors Made by Ex Situ and In Situ Process. *Advances in Science and Technology*, **2006**, 47, 131-136	0.1	2
108	Compact Design of Cryogen-Free HTS Magnet for Laboratory Use. *IEEE Transactions on Applied Superconductivity*, **2006**, 16, 1415-1418	1.8	8
107	Properties of hydrostatically extrudedin situMgB2wires doped with SiC. *Superconductor Science and Technology*, **2006**, 19, 1-8	3.1	76
106	$I_rm c$Anisotropy of Flat Composite Superconductors. *IEEE Transactions on Applied Superconductivity*, **2006**, 16, 1453-1456	1.8	4
105	Length of the linker and the interval between immunizations influences the efficacy of Vibrio cholerae O1, Ogawa hexasaccharide neoglycoconjugates. *FEMS Immunology and Medical Microbiology*, **2006**, 47, 116-28		19
104	Chemical interactions in Ti doped MgB2superconducting bulk samples and wires. *Superconductor Science and Technology*, **2005**, 18, 1190-1196	3.1	24
103	The effect of shape and deformation inex situMgB2□N/Fe composite wires. *Superconductor Science and Technology*, **2005**, 18, 615-622	3.1	15
102	Icanisotropy ofin situmade MgB2tapes. *Superconductor Science and Technology*, **2005**, 18, L45-L48	3.1	30
101	Estimation of the stress state of axially tensioned Bi-2223/Ag tapes. *Physica C: Superconductivity and Its Applications*, **2005**, 432, 239-249	1.3	6
100	Variation of vortex structure characteristics of Bi-2223/Ag superconducting tapes with respect to applied magnetic field direction. *Physica C: Superconductivity and Its Applications*, **2005**, 426-431, 396-401	1.3	3
99	Current transfer length in MgB2/Fe mono-core wire and approximation of the interface layer resistivity. *Superconductor Science and Technology*, **2005**, 18, 1218-1221	3.1	19
98	Scaling the reversible strain response of MgB2conductors. *Superconductor Science and Technology*, **2005**, 18, S253-S260	3.1	33
97	Basic properties of rectangular MgB2/FeNiCo and MgB2/Fe wires madein situ. *Superconductor Science and Technology*, **2005**, 18, 856-860	3.1	24

96	Critical currents of MgB2wires preparedin situandex situsubjected to axial stress. *Superconductor Science and Technology*, **2005**, 18, 1374-1379	3.1	23
95	Comparison and analysis of Hall probe scanning, magneto-optical imaging and magnetic knife measurements of Bi-2223/Ag tape. *Superconductor Science and Technology*, **2005**, 18, 805-812	3.1	10
94	Large-scale high-resolution scanning Hall probe microscope used for MgB2filament characterization. *Superconductor Science and Technology*, **2005**, 18, 417-421	3.1	15
93	The design and performance of a Bi-2223/Ag magnet cooled by a single-stage cryocooler. *Superconductor Science and Technology*, **2005**, 18, 977-984	3.1	10
92	Critical current density analysis ofex situMgB2wire by in-field and temperature Hall probe imaging. *Superconductor Science and Technology*, **2005**, 18, 1135-1140	3.1	5
91	Analysis of coupling losses in multifilamentary untwisted BSCCO/Ag tapes through a.c. susceptibility measurements. *IEEE Transactions on Applied Superconductivity*, **2005**, 15, 2903-2906	1.8	3
90	The effect of hydrostatic extrusion on theJc(B) characteristic ofex situMgB2wires. *Superconductor Science and Technology*, **2005**, 18, 552-556	3.1	16
89	Interfacial reactions and oxygen distribution in MgB2wires in Fe, stainless steel and Nb sheaths. *Superconductor Science and Technology*, **2004**, 17, 479-484	3.1	48
88	Synthetic fragments of Vibrio cholerae O1 Inaba O-specific polysaccharide bound to a protein carrier are immunogenic in mice but do not induce protective antibodies. *Infection and Immunity*, **2004**, 72, 4090-101	3.7	47
87	Effect of bending and tension on the voltage□urrent relation of Bi-2223/Ag. *Physica C: Superconductivity and Its Applications*, **2004**, 401, 241-245	1.3	9
86	The effect of used deformation, metal sheath and heat treatment on the IV curve of ex situ MgB2 composite. *Physica C: Superconductivity and Its Applications*, **2004**, 401, 282-285	1.3	8
85	Feasibility of iron-sheathed MgB2 wires for magnet applications. *Physica C: Superconductivity and Its Applications*, **2004**, 400, 89-96	1.3	5
84	Local extreme values in critical current of anisotropic Bi-2223/Ag tapes. *Physica C: Superconductivity and Its Applications*, **2004**, 403, 139-144	1.3	1
83	Preparation and characterization of Bi-2223 tapes. *Physica C: Superconductivity and Its Applications*, **2003**, 392-396, 1007-1010	1.3	
82	The Ic(B) behavior of MgB2 composite with ferromagnetic sheath. *Physica C: Superconductivity and Its Applications*, **2003**, 397, 14-18	1.3	6
81	Dependence of the critical current inex situmulti- and mono-filamentary MgB2/Fe wires on axial tension and compression. *Superconductor Science and Technology*, **2003**, 16, 600-607	3.1	41
80	Magnetic hysteresis loss in Bi-2223/Ag tapes with different filament arrangement. *Physica C: Superconductivity and Its Applications*, **2002**, 371, 229-236	1.3	12
79	Spatial structure and composition homogeneity in Bi-2223 TIRT tapes. *Physica C: Superconductivity and Its Applications*, **2002**, 371, 291-300	1.3	1

78	Electrical and mechanical properties of Bi-2223/Ag tapes made by TIRT technique. *Physica C: Superconductivity and Its Applications*, **2002**, 372-376, 891-894	1.3	1
77	Transversal and longitudinal current distribution in Bi-2223/Ag tapes with high filament aspect ratio. *Physica C: Superconductivity and Its Applications*, **2002**, 372-376, 916-918	1.3	5
76	Relation between different critical current criteria and quench current in HTS magnets. *Physica C: Superconductivity and Its Applications*, **2002**, 372-376, 1360-1363	1.3	9
75	Reactivity and oxygen diffusion property of resistive barriers for Bi-2223/Ag tapes. *Physica C: Superconductivity and Its Applications*, **2002**, 383, 55-58	1.3	2
74	AC loss and critical current density in Bi-2223 tapes with oxide additives and reinforced Ag sheaths. *Physica C: Superconductivity and Its Applications*, **2002**, 378-381, 1143-1147	1.3	5
73	Mathematical model of voltage□current characteristics of Bi(2223)/Ag magnets under an external magnetic field. *Superconductor Science and Technology*, **2002**, 15, 1499-1506	3.1	15
72	Theoretical analysis of HTS windings made of Bi(2223)/Ag tapes prepared by a tape-in-rectangular tube technique. *IEEE Transactions on Applied Superconductivity*, **2002**, 12, 1475-1478	1.8	1
71	Structural inhomogeneity of superconducting ex situ MgB2/Cu wires made by the powder-in-tube technique. *Superconductor Science and Technology*, **2002**, 15, 1281-1287	3.1	7
70	Transport currents of two-axially rolled and post-annealed MgB2/Fe wires at 4.2 K. *Superconductor Science and Technology*, **2002**, 15, 1340-1344	3.1	54
69	Current profiles and ac losses of a superconducting strip with an elliptic cross-section in a perpendicular magnetic field. *Superconductor Science and Technology*, **2002**, 15, 1311-1315	3.1	33
68	Transport currents in Bi-2223/Ag tapes made using the tape-in-rectangular tube process, current distribution andIcstress degradation. *Superconductor Science and Technology*, **2002**, 15, 624-629	3.1	8
67	Ic anisotropy and Ic hysteresis in MgB2/Fe/Cu tape. *Superconductor Science and Technology*, **2002**, 15, 1037-1039	3.1	12
66	Induction of protective immunity by synthetic Vibrio cholerae hexasaccharide derived from V. cholerae O1 Ogawa lipopolysaccharide bound to a protein carrier. *Journal of Infectious Diseases*, **2002**, 185, 950-62	7	73
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